

ATOMIC STRUCTURE

Recall your knowledge about atoms and their components, and fill in the blanks in the questions below using the given words.

WORDS

positive

nucleus

neutrons

energy

protons

plum pudding

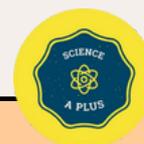
atomic structure

eight

shells

isotopes

1. _____ is the fundamental concept that explains the composition, properties and behaviour of matter.
2. A proton carries a _____ charge and is located in the _____ of an atom.
3. Atoms of the same element with different numbers of neutrons are called _____.
4. Electrons orbit the nucleus in _____ levels or shells.
5. The atomic number Z represents the number of _____ in an atom.
6. The mass number A is the sum of _____ and _____ in an atom.
7. Carbon fourteen has six protons and _____ neutrons.
8. The L shell of an atom can hold a maximum of _____ electrons.
9. According to the Bohr model, electrons occupy fixed _____ levels.
10. Thomson proposed the _____ model to explain the structure of the atom.



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ANSWER SHEET

1. **atomic structure**
2. **positive, nucleus**
3. **isotopes**
4. **shells**
5. **protons**
6. **protons, neutrons**
7. **eight**
8. **eight**
9. **energy**
10. **plum pudding**

